

3123

Hydrocarbon Synthesis. 74. Alkyl Cyclohexanes  
With Two Quaternary Carbon Atoms in the Side  
Chain.

S/079/60/030/06/01/009  
B002/B016

thank Ye. G. Treshchova who analyzed the Raman spectrum of the compounds.  
The spectra show the characteristic lines of quaternary carbon atoms. The  
lines of unsaturated hydrocarbons are missing. There are 1 table and  
10 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State  
University)

SUBMITTED: June 24, 1959

Card 3/3

S/079/60/030/007/006/020  
B001/B063

AUTHORS: Levina, R. Ya., Daukshas, V. K., Surikova, T. P.

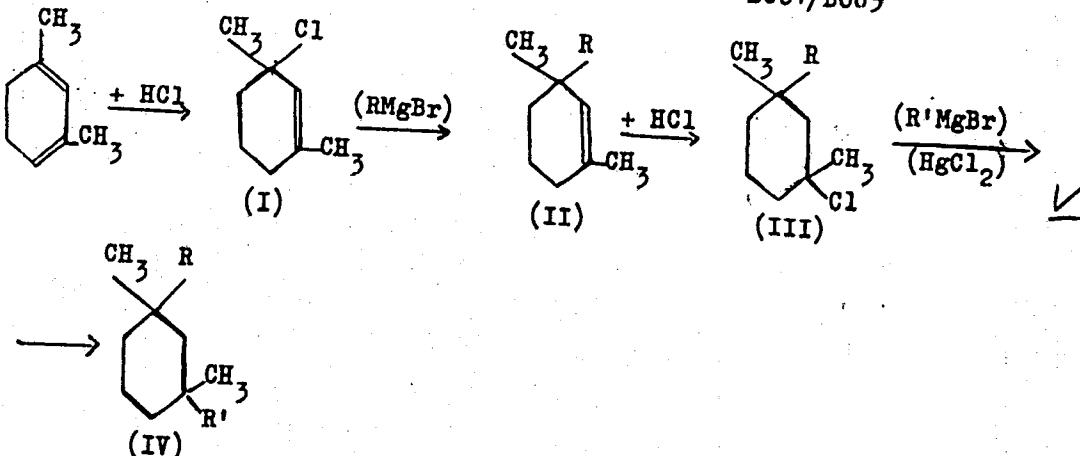
TITLE: Synthesis of Hydrocarbons. LXXV. A New Synthesis of  
1,1,3,3-Tetraalkyl Cyclohexanes 1

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 7, pp. 2145-2148

TEXT: The first cyclohexane hydrocarbons having two quaternary carbon atoms in their nuclei were described by G. Chiurdoglu and A. Maquestiau (Ref. 1), but their number has remained low since general and sufficiently simple methods of synthesis are lacking. As such cyclohexanes are contained in the fractions of petroleum distillation (Ref. 2), it is necessary for their identification to use cyclohexanes of a certain structure. It was the purpose of the present paper to develop a general method of synthesizing 1,1,3,3-tetraalkyl cyclohexanes, i.e., cyclohexanes having two quaternary carbon atoms in their nuclei, which are separated by the methylene group. These hydrocarbons were synthesized according to the following scheme:

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Synthesis of Hydrocarbons. LXXV. A New Synthesis  
of 1,1,3,3-Tetraalkyl Cyclohexanes S/079/60/030/007/006/020  
B001/B063



Trialkyl cyclohexenes (II) (described by the first-mentioned author, Ref. 3) were hydrochlorinated, and the resulting saturated chlorides (III) were converted into the tetraalkyl cyclohexanes (IV) in the presence of

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Synthesis of Hydrocarbons. LXXV. A New Synthesis  
of 1,1,3,3-Tetraalkyl Cyclohexanes S/079/60/030/007/006/020  
B001/B063

HgCl<sub>2</sub>, by using the Grignard-Würtz reaction (yield of 28-60% as referred to the trialkyl cyclohexene (II) used). The radical of alkyl magnesium bromide was substituted for the chlorine atom, and HCl was split off under the formation of trialkyl cyclohexenes (II) (yield of 75%) which could be easily separated from the final products by way of distillation. The tri-alkyl cyclohexenes were again caused to react, and the following compounds were synthesized in this way: 1,1,3-trimethyl-3-ethyl cyclohexane, 1,1,3-trimethyl-3-propyl cyclohexane, 1,1,3-trimethyl-3-butyl cyclohexane, and 1,3-dimethyl-1,3-diethyl cyclohexane (Table). There are 1 table and 3 references: 2 Soviet and 1 Belgian.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: July 10, 1959

Card 3/3

84870

11.1210

S/079/60/030/010/006/030  
B001/B075AUTHORS: Levina, R. Ya. and Daukshas, V. K.TITLE: Synthesis of Hydrocarbons. LXXVI. Cyclohexanes With Three Quaternary Carbon Atoms in the RingPERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 10,  
pp. 3207-3210

TEXT: The authors have previously described the synthesis of cyclohexanes with one and two quaternary carbon atoms by proceeding from 1,3-dimethyl cyclohexadiene-1,3. The present paper gives a description of a general method of synthesizing the cyclohexane derivatives, hitherto unknown, that have three quaternary carbon atoms in the ring, which are separated by methyl groups, viz., 1,3,3,5,5-pentamethyl-1-alkyl cyclohexanes. The authors proceeded from a cyclohexadiene hydrocarbon that has already one quaternary carbon atom, i.e., from 1,1,3,5-tetramethyl cyclohexadiene-2,4 (I). This synthesis is given by a formula. Compound (II), the hydrochloride of (I), is a ternary unsaturated chloride of the allyl type, which does not produce an isomeric chloride during allyl regrouping. It was reacted

X

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84870

Synthesis of Hydrocarbons. LXXVI. Cyclohexanes  
With Three Quaternary Carbon Atoms in the Ring

S/079/60/030/010/006/030  
B001/B075

with methyl magnesium bromide. HCl was added to the reaction product 1,1,3,3,5-pentamethyl cyclohexane-4 (III). The saturated ternary chloride (IV) obtained in the above-described way was reacted with alkyl magnesium bromides in the presence of a  $HgCl_2$  catalyst. The yields of 1,3,3,5,5-pentamethyl-1-alkyl cyclohexanes (V) in this second Grignard-Wurtz reaction amounted to 4-8%, because in this process the major part of the saturated ternary chloride (IV) split off HCl and was recovered as the initial compound (III) which could be used again for synthesizing the same cyclohexane hydrocarbon. There are 1 table and 5 references; 3 Soviet, 1 Belgian, and 1 American.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet  
(Moscow State University)

SUBMITTED: December 7, 1959

Card 2/2

DAUKSHAS, V. K. Cand Chem Sci -- "Development of a general method of ~~the~~ synthesis of ditertiary alkyl methanes and their cyclic analogues." Mos, 1960 (Min of Higher and Secondary Specialized Education RSFSR. Mos Order of Lenin Chemicotechnological Inst im D. I. Mendeleyev) (KL, 1-61, 182)

S/051/61/010/001/005/017  
E201/E491

AUTHORS: Treshchova, Ye.G., Tatevskiy, V.M., Daukshas, V.K.  
and Levina, R.Ya.

TITLE: The Raman Spectra of Various Types of Hydrocarbons VII.  
Ditertiaryalkylmethanes C<sub>10</sub> - C<sub>17</sub> - Branched Alkanes  
With Two Quaternary Carbon Atoms Separated by a  
Methylene Group

PERIODICAL: Optika i spektroskopiya, 1961, Vol.10, No.1, pp.63-68

TEXT: Continuing earlier work (Ref.1 to 3) on vibrational spectra of higher alkanes, the authors studied the following C<sub>10</sub> - C<sub>17</sub> hydrocarbons containing quaternary and tertiary carbon atoms (ditertiaryalkylmethanes): 3,3,5,5-tetramethylheptane, 4,4,6,6-tetramethylnonane, 5,5,7,7-tetramethylundecane, 2,2,4,4-tetramethylhexane, 2,2,4,4-tetramethylheptane, 2,4,4,6,6,8-hexamethylnonane and 2,5,5,7,7,10-hexamethylundecane. The methods of preparing these compounds were given in earlier work (Ref.4 to 6). Some physical and chemical properties of ditertiaryalkylmethanes are listed in Table 1. The Raman spectra were recorded with a three-prism spectrograph with a Card 1/2

S/051/61/010/001/005/017  
E201/E491

The Raman Spectra of Various Types of Hydrocarbons VII.  
Ditertiaryalkylmethanes C<sub>10</sub> - C<sub>17</sub> - Branched Alkanes With Two  
Quaternary Carbon Atoms Separated by a Methylene Group

photomultiplier ~~23Y~~-17 (FEU-17). The measurements and calculations were carried out in the same way as in earlier work (Ref.7). The intensity of the 802 cm<sup>-1</sup> line of cyclohexane was used as a standard; its dependence on the monochromator exit slit is shown in Fig.2. Table 2 lists the frequencies and intensities of the Raman lines in the region 150 to 1600 cm<sup>-1</sup>. It was found that the characteristics of quaternary carbon atoms and the group with a tertiary carbon atom at the end of the chain, established for lower hydrocarbons, applied also to paraffin hydrocarbons up to C<sub>17</sub>H<sub>36</sub>. The characteristics of complex branching with two quaternary carbon atoms, separated by CH<sub>2</sub>, were present irrespective of the length of the chain and the presence of simple branching. The presence of complexes with quaternary and tertiary carbons did not interfere with the characteristics of separate groups. There are 1 figure, 2 tables and 10 references: 9 Soviet and 1 non-Soviet.

SUBMITTED: December 21, 1959

Card 2/2

IOFFE, B.V.; DAUKSHAS, V.K. [Daukšas, V.]; LEVINA, R.Ya.

Relationship between the refractive dispersion of alkanes and their structure. Vest.Mosk.Un.Ser.2: khim. 16 no.6:67-72 N-D '61.  
(MIRA 14:11)

1. Kafedra organicheskoy khimii Moskovskogo gosudarstvennogo universiteta  
i kafedra organicheskoy khimii Leningradskogo gosudarstvennogo  
universiteta.

(Paraffins) (Chemical structure)  
(Dispersimetry)

LEVINA, R.Ya.; DAUKSHAS, V.K. [Dauksas, V.K.]

Synthesis of hydrocarbons. Part 76: Cyclohexanes with three  
quaternary carbon atoms in the ring. Zhur. ob. khim. 30 no.10:  
3207-3210 O '61. (MIRA 14:4)

1. Moskovskiy gosudarstvennyy universitet.  
(Cyclohexane)

DAUKSHAS, V.K. [Dauksas, V.]; PUODZHUNAYTE, B.A. [Puodziunaite, B.]

Amides of O-(1,4-benzodioxyl)-substituted glycolic acid. Zhur. VKHO 7 no.6:703-704 '62. (MIRA 15:12)

1. Vil'nyusskiy gosudarstvennyy universitet imeni V. Kapsukasa.

(Glycolamide)

DAUKSHAS, V.K. [Dauksas, V.]; PIKUNAYTE, L.A. [Pikunaite, L.]

Synthesis of new aryl hydroxy derivatives of N-substituted propylamine and ethylenediamine. Zhur. VKHO 9 no. 3:352-354 '64.  
(MIRA 17:9)

1. Vil'nyusskiy gosudarstvennyy universitet imeni Kapsukasa.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DAUKSHAS, V.K. [Dauksas, V.]; PUODZHUNAYTE, B.A. [Puodzunaite, B.]

6-Allyl(or propyl)-5-( -alkylaminoethoxy)-1,4-benzodioxans.  
Zhur. ob. khim. 34 no.9:2960-2965 S '64.

(MIRA 17:11)

1. Vil'nyusskiy gosudarstvennyy universitet im. V.Kapsukasa.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

L 63278.65 EPF(a)/EFP(j)/EFT(n) P-1/P-4 JAI/RM

ACCESSION NR: AP5015128

UR/0366/65/001/006/1147/1151  
547.841

23

B

AUTHORS: Daukstas, V. K.; Plikunayte, L. A.; Sailleuskayte, I. A.

TITLE: Aminoalkyl esters of 5-oxy-benzodioxane-1,4

SOURCE: Zhurnal organicheskoy khimii, v. 1, no. 6, 1965, 1147-1151

TOPIC TAG: synthesis, aromatic hydrocarbon, benzodioxane, amino ester, adreno active agent

ABSTRACT: The present investigation, a continuation of previous work of V. Daukstas, B. Puodzhyunayte, and A. Shvegzhdayte (Nauchn. tr. VUZov Lit. SSR, Khimiya i. khim. tekhnol., 3, 55, 1963) was undertaken with the view of developing new adreno-active agents. The following compounds were synthesized: 5-( $\gamma$ -alkylaminopropoxy), 5-( $\alpha$ -alkylaminomethyl- $\beta$ -alkylaminoethoxy)- and 5-( $\theta$ - $\gamma$ -dialkylaminopropoxy) benzodioxane-1,4. The physical properties of the above compounds are tabulated. It was found that the compounds possess hypotensive activity.

Drig. art. has: 3 tables and 2 equations.

ASSOCIATION: Vil'nyuskiy gosudarstvennyy universitet imeni V. Kapsukasa (Vil'no State University)

Card 1/2

L 63778-65

ACCESSION NR1 AF501J128

SUBMITTED: 01Jun64

ENCL: 00

SUB CODE: OC

NO REF SOV: 003

OTHER: 002

D

Card 2/2

LIMAR', T.F.; UVAROVA, K.A.; BULACHEVA, A.F.; SGYVUEM, A.S.; BEDNOVA, I.N.; MAKOVSKAYA, E.B.; SOLOMEINA, G.I.; DOLMATOV, Yu.D.; BOBYRENKO, Yu.Ya.; KOGAN, F.I.; KOVALENKO, P.N.; IVANOVA, Z.I.; FOKIN, A.V.; KOMAROV, V.A.; SOROCHKIN, I.N.; DAVYDOVA, S.M.; RAVDEL', A.A.; GORELIK, G.N.; DAUKSHAS, V.K. [Dauksas, V.]; PIKUNAYTE, L.A. [Pikunaite, L.]; SHARIPOV, A.Kh.; SHABALIN, I.I.; STEPNOVA, G.M.; SHMIDT, Ye.V.; DUBOV, S.S.; STRUKOV, O.G.

Scientific research papers of the members of the All-Union Mendeleev Chemical Society (brief information). Zhur. VHKO 10 no.3:350-360 '65. (MIRA 18:8)

1. Donetskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv (for Limar', Uvarova, Bulacheva). 2. Ural'skiy nauchno-issledovatel'skiy khimicheskiy institut (for Shubin, Bednova, Makovskaya, Solomeina). 3. Chelyabinskii filial Gosudarstvennogo nauchno-issledovatel'skogo i proyektnogo instituta mineral'nykh pigmentov (Dolmatov, Bobyrenko). 4. Rostovskiy-na-Donu universitet (for Kogan, Kovalenko, Ivanova). 5. Leningradskiy tekhnologicheskiy institut imeni Lensoveta i Institut mineral'nykh pigmentov (for Ravdel', Gorelik). 6. Vil'nyusskiy gosudarstvennyy universitet imeni Kpsukasa (for Daukshas, Pikunayte). Nauchno-issledovatel'skiy institut nefte'khimicheskikh proizvodstv (for Sharpipov, Shabalin). 8. Tomskiy politekhnicheskiy institut imeni Kirova (for Stepnova, Shmidt).

ACC NR: AP6034208

(A,N)

SOURCE CODE: UR/0153/66/009/004/0680/0681

AUTHOR: Daukshas, V. K.; Puodzhyunayte, B. A.

ORG: Department of Organic Chemistry, Vil'nyus State University im.  
V. Kapsukas (Kafedra organicheskoy khimii, Vil'nyusskiy gosudarstvennyy  
universitet)

TITLE: Alkylation of 5-( $\beta$ -methylaminoethoxy)-1,4-benzodioxan

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 9, no. 4,  
1966, 680-681

TOPIC TAGS: methylaminoethoxybenzodioxan, ~~derivative, adrenolytic~~, ~~activity, physiological~~, ~~gland drug, nervous system drug, amine,~~  
~~alkylation~~

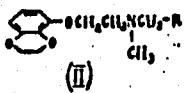
ABSTRACT: Previous study showed that 5-( $\beta$ -methylaminoethoxy)-1,4-benzodioxan (I) stimulates the central nervous system and has an adrenolytic activity; therefore, physiological activity of its derivatives are anticipated. The previously unreported alkylated I (shown in the table) was obtained by alkylation of I with  $\beta$ -chloroethylidialkylamines and with dialkylamides of chloroacetic acid. The compounds IIa, IIb, IIc, and IID are formed by boiling reaction mixtures in alcohols for 30-50 hr. Preliminary study indicates that the mines stimulate the central nervous

UDC: 547.841

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ACC NR: AP6034208

Table 1. Products of N-alkylation of 5-( $\beta$ -methylaminoethoxy)-1,4-benzodioxan



R	Yield, %	bp., °C (mm)	Dihydrochlorides or hydrochlorides								Calc'd, %	
			mp.	UV spectra		Found		Formula				
				λ <sub>max</sub>	ε <sub>log ε</sub>	Cl	N	Cl	N	Cl	N	
CH <sub>3</sub> N(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	45	158-160(1)	181-181.5	208	3,17 18,53	18,49 7,40	7,34	C <sub>11</sub> H <sub>20</sub> Cl <sub>2</sub> O <sub>3</sub> N <sub>2</sub>	18,59	7,34		
CH <sub>2</sub> N(CH <sub>3</sub> ) <sub>2</sub>	50	253-255(16)	244.5-245.5	268	2,00 17,78	17,80 6,90	7,16	C <sub>11</sub> H <sub>20</sub> Cl <sub>2</sub> O <sub>3</sub> N <sub>2</sub>	18,02	7,12		
CON(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	73	179-180(7)		268	-	-	17,42 17,43	C <sub>11</sub> H <sub>20</sub> CrO <sub>3</sub> S <sub>2</sub> N <sub>2</sub>	-	17,46		
CON(CH <sub>3</sub> ) <sub>3</sub>	69	180-182(7)		268	-	-	17,05 17,40	C <sub>11</sub> H <sub>20</sub> CrO <sub>3</sub> S <sub>2</sub> N <sub>2</sub>	-	17,14		

Card 2/3

ACC NR: AP 6034208

system. Adrenolytic activity of IIa-IId was lower than that of I.  
Orig. art. has: 1 table. [W.A. 50]

SUB CODE: 0704/SUBM DATE: 26Jun64/ ORIG REF: 001

Card 3/3

TKALICH, S.M.; MINEYEV, I.K., glavnny red.; RYABENKO, V.Ye., zam. glavnogo  
red.; TUMOL'SKIY, L.M., zam. glavnogo red.; KUR'YANOV, F.K., otv.  
zav vypusk; BASSOLITSYN, Ye.P., red.; BLINNIKOV, I.I., red.; DAUKSHO,  
Yu.Ye., red.; DZINKAS, Yu.K., red.; ZHARKOV, M.A., red.; ZAVALISHIN,  
M.A., red.; MANDEL'BAUM, M.M., red.; MATS, V.D., red.; MALETOV, P.I.  
red.; NOMOKONOVA, N., red.; NOSEK, A.V., red.; SERD, A.I., red.;  
SEMENYUK, V.D., red.; TAYEVSKIY, V.M., red.; TIKHONOV, V.L., red.;  
TROFIMUK, I.N., red.; TOMILOVSKAYA, M.V., red.; FOMIN, N.I., red.;  
SHAMES, P.I., red.; TROSHANIN, Ye.I., tekhn. red.

[Biogeochemical anomalies and their interpretation.] Biogeo-  
khimicheskie anomalii i ikh interpretatsiya. Irkutsk, 1961.  
39 p. (Materialy po geologii i paleznym iskopaemym Irkutskoi  
oblasti no.3). (MIRA 17:1)

DAULBAYEV, E.A.

Isolation of actinophages from cultures producing erythromycin.  
Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR. 8:167-172 '65.  
(MIRA 18:11)

DAULBAYEV, E.A.

Methods for isolating actinophages from the soil. Mikrobiologija.  
32 no.4:650-654 Jl-Ag '63. (MIRA 17:6)

1. Institut mikrobiologii AN SSSR i Institut mikrobiologii i  
virusologii AN KazSSR.

KORYAKIN, I.S.; DEMIDOV, S.I.; DAULBAYEV, F.A.; KAZANTSEVA, G.V.

Hygienic characteristics of water from the Issyk-Kul', a high mountain lake in Alma-Ata Province. Zdrav. Kazakh. 21 no.1:70-71 '61.

(MIRA 14:3)

1. Iz kafedry obshchey gigiyeny (zav. ~ professor I.S.Koryakin) Kazakhskogo meditsinskogo instituta.  
(ISSYK-KUL'—WATER—COMPOSITION)

KORYAKIN, I.S.; ALEKSEYEVA, V.G.; GOVOROVA, M.S.; VORONINA, T.V.;  
DAULBAYEV, F.A.; DEMIDOVA, S.I.; KAZANTSEVA, G.V.; MOROZ, V.M.;  
MOKHINA, N.S.; PIFIN'YAN, P.O.; SHTIFANOVA, A.K.

Trace elements in drinking water sources of Kazakhstan and their  
relations to the problem of some noninfectious diseases. Vest. AMN  
SSSR 19 no.7:90-95 '64. (MIRA 18:3)

1. Alma-Atinskiy meditsinskiy institut.

~~DAULBAYEV, N.M.~~, kandidat istoricheskikh nauk; SAVICH, M.P., redaktor;  
~~YUBOVSKIY, M.N.~~, tekhnicheskiy redaktor

[The flowering of the Kazakh economy and culture in the postwar period] Restavet ekonomiki i kul'tury Kazakhskoi SSSR (posle-voennyi period). Alma-Ata, Upr.po delam kul'turno-prosv. uchreshde-nii M-va kul'tury Kaz.SSR, 1955. 40 p. [Microfilm] (MLR 10:7)  
(Kazakhstan--Economic conditions)  
(Kazakhstan--Culture)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DAULBAYEV, N.N., kandidat istoricheskikh nauk.

From the history of the transformation of Karaganda into the third  
Soviet coal basin. Uch. zap. Kazakh. un. 20:41-55 '56. (MIRE 10:4)  
(Karaganda Coal Basin)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

DAULBAYEV, N.N., kand.istoricheskikh nauk

History of the study of the geology of Karaganda. Vest.AN Kazakh.SSR  
17 no.5:37-47 My '61.  
(Karaganda Basin--Geological research)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DAULBAYEVA, R.A.

Morphological evolution of the respiration of reptiles. Trudy  
Inst. fiziol. AN Kazakh. SSR. 4:92-104 '63.  
(MIRA 17:10)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

*DAULENOV, S.D.*

99-12-2/7

AUTHOR: Daulenov, S.D., Deputy Minister of the Ministry of Agriculture  
of the Kazakh SSR

TITLE: Water Resources of Kazakhstan During 40 Years of Soviet Regime  
(Vodnoye khozyaystvo Kazakhstana za 40 let sovetskoy vlasti)

PERIODICAL: Gidrotehnika i Melioratsiya, 1957, # 12, p 12-20 (USSR)

ABSTRACT: Irrigation of Kazakhstan suffered a considerable set back after  
World War I when the acreage under irrigation decreased from  
696,000 hectares in 1915 to 350,000 hectares. Supported by  
the economic policies of the first Five-Year Plan, old irri-  
gation systems were repaired and the building of new systems  
was started. As a consequence, the acreage under irrigation  
increased to 903,000 hectares. During the second Five-Year  
Plan melioration work was commenced at the Karatulu, Arys',  
Chur, Talas and other rivers, and the Aksuyskaya, Sayramskaya,  
Uchaktinskaya, Keskenskaya and Uymutskaya dams were built.  
A more speedy development was experienced during the third  
Five-Year Plan, when the following irrigation structures were  
built: the Talas-Assinskiy canal, the Tasotkel'skaya dam, the  
Novo-Chiliyskaya, Chirkeylinskaya, Pravoberezhnaya, Kazalin-

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## Water Resources of Kazakhstan During 40 Years of Soviet Regime 99-12-2/7

was improved by 2 supporting dams, by which a total of 93,500 hectares were irrigated. The Karatal'skaya irrigation system irrigates 15,000 hectares in the Taldy-Kurganskaya oblast. The total length of main canals of the republic amounts 12,000 km, the length of minor distribution ditches approximately 40,000 km. 8-10 billion cu m of water are distributed by the irrigation systems of the Kazakh SSR annually for the irrigation of 1,400,000 hectares of agricultural crops, and 5-6 billion cu m for estuary irrigation of 1,500,000 hectares of grass land. In the northern and central districts of Kazakhstan more than 1,000 pumping stations are in operation which supply water for 30,000 to 35,000 hectares. By using modern machinery mechanization of maintenance and construction of irrigation structures has reached 97% in 1956. 3,000 specialists - hydrotechnicians and mechanics - are employed at present in the republic. The 6th 5-Year-Plan calls for a further increase of irrigable farm land by 214,000 hectares and to supply water for 43 million hectares of cattle ranges. Irrigation and water supply will be carried out by using three basic systems: the Levoberezhnaya and Pravoberezhnaya irrigation systems and the one along the beds of the Zhana-Dar'ya and Kuvan-Dar'ya rivers. A basic solution to supply

Card 3/5

Water Resources of Kazakhstan During 40 Years of Soviet Regime 99-12-2/7

"KMK-25" has been successfully used.  
There are 5 photographs.

ASSOCIATION: Ministry of Agriculture of the Kazakh SSR.

AVAILABLE: Library of Congress

Card 5/5

~~DAULENOV, Sal'kei Daulenovich; ZOZILYA, Mordko Shlemovich; GUSEVA, N.P., red.; SAVICH, M.P., red.; NAGIBIN, P.A., tekhn. red.~~

[Water resources of Kazakhstan] Vodnoe khozaiinstvo Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo, 1959. 269 p. (MIRA 15:5)  
(Kazakhstan--Water supply)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

BAYTENOV, M.; DAULETBAKOV, A.; TULEUSHEV, Zh.

Problems in developing the productive forces of southern Kazakhstan.  
Vest. AN Kazakh. SSR 21 no.5:89-90 My '65. (MIRA 18:7)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

DAULEBAKOVA, M. I.

"Results of the Treatment of Brucellosis Patients at the 'Alma-Arasan' Health Resort." Cand Med Sci, Kazakh Medical Inst imeni V. M. Molotov, Alma-Ata, 30 Nov 54. (KP, 17 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

DAULETBEKKOVA, M.I.

Liver function of brucellosis patients following vaccine treatment.  
Izv. AN Kazakh. SSR. Ser. med. i fisiol. no.2:108-113 '59 (MIRA 13:3)  
(LIVER) (BRUCELLOSIS)

DAULETBAKOVA, M.I., kand.med.nauk

Clinical studies of chronic inflammation of the biliary tracts  
and the bladder. Zdrav. Kazakh. 21 no.8:19-23 '61. (MIRA 14:9)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - prof.  
A.A.Zemets) Karagandinskogo meditsinskogo instituta.  
(BILARY TRACT—DISEASES) (BLADDER—DISEASES)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

NICHKIN, M.G.; BURDAGOV, G.G.; NIKITENKO, M.D.; DAULETBAZIN, S.B.

Burning-in hearths of large-capacity open-hearth furnaces.  
Metallurg 10 no.7:30-31 Jl '65. (MIRA 18:7)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

42666

S/850/62/008/000/004/004  
B119/B101

11.0140

AUTHORS: Buvalkina, L. A., Duletova, B.

TITLE: Dehydro-cracking of diesel fuel over chromium  
alumosilicate catalysts

SOURCE: Akademiya nauk Kazakhskoy SSR. Institut khimicheskikh  
nauk. Trudy. v. 8. Alma-Ata, 1962. Kataliticheskiy  
sintez monomerov. 115-127

TEXT: Cracking tests were made with diesel fuel of specific gravity  
 $d_4^{20} = 0.8472$  over catalysts produced as follows: 150 g bentonite from  
South Kazakhstan was impregnated with 300 ml of 5% (catalyst I), 8% (II)  
or 10% (III) ammonium bichromate solution, dried, and reduced in a  
current of  $H_2$  at  $500^{\circ}C$ . 40 ml of raw material was made to react at a rate  
of addition of 0.8 liters per liter of catalyst per hour. With the use  
of I, the olefin yield was 2% in the gaseous phase and 13% in the gasoline  
phase at a reaction temperature of  $450^{\circ}C$ , and 28% in the gaseous phase  
and 35% in gasoline at  $650^{\circ}C$ . At  $510^{\circ}C$ , the yield of gasoline fraction

Card 1/2

Dehydro-cracking of diesel ...

S/850/62/008/000/004/004  
B119/B101

passes a maximum. 2.7 liters of gaseous phase were obtained at 450°C, and 18 liters at 650°C. The yield of aromatic hydrocarbons was 2% at 450°C, and 10% at 510°C and over. Using II, 16.6% olefins were obtained in the gaseous phase and 13.6% in gasoline at 450°C, and 31% in the gaseous phase and 30.2% in gasoline at 600°C. The yield of gasoline fraction decreases with increasing temperature. 4.6 liters of gases were obtained at 450°C and 22.0 liters at 600°C. Using III, the olefin yield in the gasoline fraction was 10-11% at 450-580°C, in the gaseous phase 13.5% at 450°C and 30% at 580°C. Further, 13.3% of aromatic hydrocarbons were obtained at 450°C, and 35.7% at 580°C. The yield of gases increased from 3.5 liters at 450°C to 17 liters at 580°C. The potentiometric titration of the catalysts showed that their acidity decreased with increasing time of application at high temperatures, while the alkalinity and, with it, the dehydrogenating effect increased. The titration curves correspond to those for a dibasic acid. According to the chromatographic analysis, the gaseous phases obtained after cracking contain 30.9 - 60.0% of ethylene. There are 7 figures and 6 tables.

Card 2/2

BUVALKINA, L.A.; DAULETOV, B.

Dehydrogenation cracking of diesel fuel on chromia-aluminosilicate  
catalysts. Trudy Inst.khim.nauk AN Kazakh.SSR 8:115-127 '62.

(Diesel fuels) (Cracking process) (Aluminosilicates)  
(MIRA 15:12)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DAULETOV, B.; DRUZ', V.A.

Hydrogenation of a mixture of cyclohexane and acetone in mixed solvents.  
Vest. AN Kazakh. SSR 21 no.6;70-75 Je '65.  
(MIRA 18:7)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

ANDREEV, Dim.; DAULOV, Isp.

Clinical studies on the etiology of diabetes. Suvrem med., Sofia  
no.11;3-17 '60.

1. Iz Katedrata po endokrinologija i bolesti na obmianata pri ISUL  
(Rukov. na katedrata prof. Iv.Penchev)  
(DIABETES MELLITUS etiol)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DAUMAN, Adolf

For the 500 km triangle. Repules 16 no.1:12 Ja '63.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

Daum, S. Sevcin

! Plasma levels of iron and copper after strenuous work.  
Severin Daum (Charles Univ., Prague). *Biol. Listy* 30,  
7-10 (1945). The levels of Fe and Cu in the blood serum  
were measured in 12 male adults (27-38 years old) before and  
after 30 min. of strenuous phys. work. The initial level of  
Fe ( $131 \pm 16.7\%$ ) remained unchanged in 50%, increased  
in 33%, and decreased in 17%. The initial level of Cu  
( $77 \pm 35.7\%$ ) remained unchanged in 33%, increased in  
67%, and decreased in none.

Ondrich Schek

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

Draft S.

Metabolism  
Blood glucose  
a  
C

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

DONNER, L.; DAUM, S.

Copper metabolism; storage and excretion of copper in experimental animals. Gastroenterologia bohema 4 no.5-6:237-243 Dec 50.  
(CLML 20:6)

1. Of the Second Internal Clinic of Prof.A.Vancura,M.D.

JAROSOVA, V.; DAUM, S.

Plasma blood and extracellular fluid volume in the course of normal  
pregnancy. Cesk.gyn. 16 no.1:36-48 1951. (CIML 20:8)

1. Of the Second Internal Clinic of Charles University in Prague  
(Head--Prof. A. Vančura, M.D.), Work Group of Prof. L. Donner.

DAUM, S.

Level of blood iron and copper in the course of pregnancy. Cesk.gyn.  
16 no.1:48-56 1951. (CIML 20:8)

1. Of the Second Internal Clinic of Charles University in Prague  
(Head--Prof. A. Vancura, M.D.), Work Group of Prof. L. Donner.

DAUM, S.

KAFKA, H.; DAUM, S.

Experimental studies of shock; postoperative modifications of blood volume. Rozhl. chir., Praha 30 no. 10:558-565 1951. (CIML 21:3)

1. Of the First Surgical Clinic (Head--Prof. A. Jirasek, M. D.) and of the Second Internal Clinic (Head--Prof. A. Vancura, M. D.), both of Charles University, Prague.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DONNER, L.; DAUM, S.

Copper metabolism in man. Biol. listy 31 no.3-4:130-133 Jan 51.

1. Of the Second Internal Clinic of Prof. Ant. Vancura, M.D.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

DAUM, S.

Copper metabolism. Biol. listy 32 no.1:29-37 June 1951.  
(CIML 21:1)

1. Of the Second Internal Clinic (Head -- Prof. Ant. Vancura, M.D.) of Charles University, Prague. Work Group of Prof. Donner.
2. Of the Central Institute of Endocrinology (Head -- Docent Karel Silink, M.D.), Prague.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DAUM, S.

Determination of extracellular fluid. Cas. lek. cesk. 90  
no.27:837-842 6 July 1951. (CIML 21:1)

1. Of the Second Internal Clinic of Charles University, Prague  
(Head -- Prof. Ant. Vancura). Work Group of Prof. Donner.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

JAROSOVA, V.; DAUM, S.

Effect of physical effort on volume of serum and whole blood, extracellular fluid, and salt metabolism. Cas.lek.cesk. 90 no.34; 1014-1019 24 Aug 51. (CLML 21:1)

1. Of the Second Internal Clinic of Charles University, Prague (Head--Prof.A.Vancura,M.D.). Work Group under Prof. Donner.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

~~DAUM, SERGIN~~

*The influence of physical effort on plasma and whole*

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

Changes of serum iron and the ability of blood serum to  
bind iron in patients with chronic diseases

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

*DAUM SEVERIN*

DONNER, Ludvik; DAUM, Severin

Capacity of blood serum to bind copper. Cas. lek. cesk. 91 no.31:  
902-905 1 Aug 52.

1. Z II. interni kliniky prof. dr. A. Vancury.  
(COPPER, in blood,  
binding capacity)  
(BLOOD,  
copper, binding capacity)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

D 2 1 5.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

DAUM 3.

Storage of copper in experimentally induced anemia of rats  
I. Bonner, S. Daum, and V. Maty (Charles University,  
Prague). *Sborník Akadémie věd ČSSR, Matematická  
a fyzická řada*, 46, 22-32 (1953). After an  
intravenous administration of phenylhydrazine (1 g/kg  
during 1 day) Cu increases in liver by 103%, in spleen  
150% and in blood 1.6%. Fe decreases in liver by 27%,  
in spleen 24.8% and increases in spleen 48.1%. After  
bleeding (1 g/kg body weight) Cu increases in liver by 100%,  
in spleen the fall of red blood corpuscles and of Cu is  
approximately 1. After bleeding Cu increases in liver by 100%,  
in spleen 20% and in blood 1.6%. Fe decreases in liver by  
15.2%, in spleen 48.1% and increases in blood 1.6%.

DAUM S.

DAUM S. "Rýzová dieta v léčbě hypertonické nemoci. Rice diet in the treatment of hypertension CAS. LEK, CES. 1953, 92/30-31 (853-854) Tables 1 (5109)

The effect of a rice diet was studied in 6 patients suffering from hypertension. The diet is monotonous and its use over a longer period is badly tolerated. The changes obtained by a rice diet especially in the blood pressure, eye fields and electrocardiograms were almost the same as those after a standard salt-free diet. In 2 patients, after a rice diet followed over a long period, a markedly depressing effect on renal function was observed. Pejšer-Brno

SO: Excerpta Medica, Vol. 8, No. 8, Sect. VI, August, 1954

*Draun severin*

Zinc metabolism. Severin Draun (Karls Univ., Praha, Czech.). *Cisopis Lekářů Českých* 93, 171-3(1954). -Zn was detd. polarographically in men and women, and the following values were found:  $2.39 \pm 0.80$   $\gamma/\text{cc}$ . in plasma,  $1.335 \pm 0.382$   $\gamma \times 10^{-3}$  in  $1 \times 10^6$  erythrocytes,  $3.335 \pm 1.43$   $\gamma \times 10^{-3}$  in  $1 \times 10^6$  leucocytes, and  $7.94 \pm 2.07$   $\gamma/\text{cc}$ . in white blood. The values in urine and stool (0.3-0.6 and 4.8-6.2 mg./24 hr., resp.) together account within the exptl. error for the daily intake of Zn. Zn is important

as an activator for carbonic anhydrase, catalase, phosphatases, and isohydropeptidases, but most of all for the activity of insulin.

Werner Jacobson

CZECHOSLOVAKIA/Human and Animal Physiology. Blood

T-4

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65163

Author : Daum Severin

Inst : Universitas Carolina

Title : The Levels of Zinc in Plasma, Erythrocytes, Leukocytes  
and Whole Blood in Certain Diseases of the Blood.

Orig Pub : Univ. carolina. Med., 1956, 2, No 5, 507-518

Abstract : No abstract

Card : 1/1

USSR / Human and Animal Physiology Heart.

T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70165

in the amount of Na, Cl, water and extracellular K toward the center of the I. Total and intracellular amounts of K decreased toward the center of the I. In the hearts of three people dying within 48 hours after I, the maximal amounts of K were in the transitional zone between the area of necrosis and the uninjured myocardium. The amount of K in the transitional zone was greater than in healthy myocardium, chiefly because of the extracellular K. The high concentration of extracellular K may be assumed to be a cause of the monophasic deformation and of the changes in the T wave on the EKG soon in the acute stages of myocardial infarction. -- F. Z. Moyerson

Card 2/2

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DAUM, S.; CHYTIL, M.; HORNYCH, A.

Extracorporeal hemodialysis with the artificial kidney. Sborn. lek.  
59 no.3:77-92 Mar 57.

I. II. interni klinika fakulty všeobecného lékařství univerzity Karlovy  
v Praze, prednosta prof. Dr A. Vancura.  
(KIDNEES, artif.  
extracorporeal hemodialysis (Cz))

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

HERLIS, F.; DADM, S.

Distribution of electrolytes in myocardium and in myocardial infarc<sup>z</sup>  
and coronary changes in electrocardiograms. Cas. lek. cesk. 96 no 33-  
34:1050-1060 23 Aug 57.

1. II interni klinika Jarlovy univerzity v Praze, prednosta prof.  
Dr F. Herlis. P. H., Praha 2, U nemocnice 2.  
(MYOCARDIAL INFARCT, metab.

electrolyte balance disord. in myocardium, relation  
to ECG changes (Cx))  
(BODY FLUID BALANCE, in var. dis.  
electrolyte balance disord. in myocardial infarction,  
relation to ECG changes (Cx))

KOPECKY, M.; DAUM, S.

Adaptation of the myocardium to altitude anoxia. Cesk. fysiol. 7 no.3:  
218-219 May 58.

1. Laborator pro fysiologii a patofysiologii premeny latek CSAV, II  
interni klinika KU, Praha.

(HEART, physiol.

adaptation to altitude (Cz))

(ALTITUDE, eff.

on heart, adaptation (Cz))

(ADAPTATION,

heart adaptation to altitude (Cz))

DAUM, S.

Electrolyte & water metabolism in cardiac failure. Cas. lek. cesk.  
97 no.43:1363-1364 24 Oct 58.

1. Kardiovaskularni laborator-pracoviste III pH II interni klinice MU  
v Praze, prednosta prof. MUDr. F. Herles.  
(CONGESTIVE HEART FAILURE, metab.  
body fluid balance (Cz))  
(BODY FLUID BALANCE, in various dis.  
congestive heart failure (Cz))

DAUM, S.; JAROSOVA, V.; CHYTIL, M.

Ventricular fibrillation and cardiac arrest with hyperkalemia. Cas.  
lek. cesk. 98 no.1:23-24 3 Jan 59.

1. Kardiovaskularni laborator KU v Praze -- pracoviste III. II. interni  
Karlovny university v Praze, prednosta prof. MUDr. F. Herles. S. D., Praha  
2, U Nemocnice 2.

(VENTRICULAR FIBRILLATION, case report

with cardiac arrest & hyperkalemia (Cz))

(CARDIAC ARREST, case reports

with ventric. fibrill. & hyperkalemia (Cz))

(POTASSIUM, in blood

excess in ventric. fibrill. & cardiac arrest (Cz))

DAUM, S.; JAROSOVA, V.

Orthostatic changes in plasma, total blood & extracellular fluid volumes in healthy subjects. Cas. lek. cesk. 98 no.26:821-824 26 June 59.

1. Kardiovaskularni laborator Karlovy univerzity v Praze, Pracoviste III na II. interni klinice, prednosta prof. dr. F. Herles. S.D., Praha 2, U nemocnice 2. Do redakce doslo v dubnu 1958.

(POSTURE, eff.

on blood plasma, total blood & extracellular fluid volumes in healthy subjects (Cx))

(BLOOD

orthostatic changes in blood plasma & total blood in healthy subjects (Cx))

(BODY FLUID BALANCE

orthostatic changes in extracellular fluid volumes in healthy subjects (Cx))

DAUM, S.; CHYTIL, M.; KASALOVA, D.

Syndrome of acute anuria in post-abortal septicemia caused by  
C<sub>l.</sub> welchii successfully treated by extracorporeal hemodialysis  
in artificial kidney. Cas. lek. cesk. 98 no.36:1136-1138 4 Sept 59

I. II. interni klinika MU v Praze, prednosta prof. dr. F. Herles.  
Gyn. porod. klinika KUMZ v Plzni, prednosta prof. dr. Vl. Mikolas  
(KIDNEY, ARTIFICIAL)  
(ANURIA, ther.)  
(ABORTION CRIMINAL, compl.)  
(SEPTICEMIA, compl.)  
(CLOSTRIDIUM PERFRINGENS, infect.)

DAUM, S.; JAROSOVA, V.

Orthostatic changes in plasma. Total blood and extracellular fluid volume in healthy subjects. Rev. Czech. M. 6 no.1:36-42 1960

I. Cardiovascular Laboratory, Charles University, Prague: Department III. Second Clinic of Internal Diseases. Director: Professor F. Herles.  
(POSTURE) (BLOOD CELLS) (BLOOD VOLUME)  
(BODY FLUIDS)

NEUWIRTOVA, R.; CHYTIL, M.; VALEK, A.; DAUM, S.; VALACH, Vl.

3 cases of arsenic poisoning with amuria treated by the artificial kidney. Pracovnd. lek. 12 no. 3:144-152 Ap '60.

1. II. interni klinika Karlovy univerzity v Praze, prednosta prof. dr. Fr. Herles; Hlavuv I. patologickoanatomicky ustav Karlovy univerzity v Praze, prednosta doc. dr. B. Bednar.

(ARSENICALS toxicol.)

(AMURIA etiol.)

(KIDNEY ARTIFICIAL)

Draum, Severin

Country: Czechoslovakia

Aademic Degrees:

Institute of Labor Hygiene and Occupational Diseases (Ustav hygieny prace a  
affiliations dlerob a povolani), Prague. Head: professor Dr J. ZEMSKY

Sources: Prague, Vnitrii Izmratvi, No 1, Apr 61, pp 371-377

Data: "Ventilatory Function in Patients Suffering from Cor Pulmonale, with and without  
Heart Failure."

Co-authors:

GURKUTA, Alois. Cardiopulmonary Section (Kardiopulmonalni oddeleni) of the No 22  
Clinic of Internal Medicine (II. vnitrii klinika) of Charles University  
(Univerzita Karlova), Prague. Head: professor Dr Frantisek KREJCI.

DRAUM, Severin. Cardiopulmonary Section of the No 22 Clinic of Internal Medicine of  
Charles University, Prague.

HERLES, F.; DAUM, S.; JAROSCOVA, V.; VALENTOVA, VI.; OUREDNIK, A.

Principles in the diagnosis of cor pulmonale in chronic pulmonary  
emphysema. Sborn. lek. 63 no.5/6:151-157 1961.

1. II. interní klinika fakulty všeobecného lekarství University  
Karlových Várad, přednosta prof. dr. F. Herles.  
(PULMONARY HEART DISEASE diag) (PULMONARY EMPHYSEMA diag)

TEICHMANN, V.; DRAB, K.; DAUM, S.; OUREDNIK, A.

Roentgen diagnosis of chronic cor pulmonale in chronic bronchitis  
and pulmonary emphysema. Sborn. lek. 63 no.5/6:158-165 1961.

1. II interni klinika Fakulty všeobecného lékařství Univerzity Karlovy  
v Praze, prednosta prof. dr F. Herles.

(PULMONARY HEART DISEASE radiog)  
(BRONCHITIS radiog) (PULMONARY EMPHYSEMA radiog)

DAUM, S.; KOPECKY, M.; OUREDNIK, A.

Respiratory acidosis and cor pulmonale. Their effect on pulmonary hypertension. Sborn. lek. 63 no.5/6:142-150 1961.

I. Kardiopulmonaryni odeleni Kardiologicke laboratoare a II. interni kliniky fakulty vseobecneho lekarstva University Karlovy v Praze, prednosta prof. dr. F. Herles Laborator pro patofiziologii premeny latek pri CSAV v Praze, prednosta doc. dr. O. Poupa.

(ACIDOSIS compl) (PULMONARY HEART DISEASE compl)  
(PULMONARY EMPHYSEMA compl) (HYPERTENSION compl)

OUREDNIK, A.; DAUM, S.; KOPECKY, M.

Respiratory insufficiency and acidosis in patients with emphysema  
and cor pulmonale treated with ciroren. Sborn. lek. 63 no.5/6:166-  
174 Nov. 61.

I. Kardiopulmonary oddeleni II. interni kliniky fakulty všeobecného  
lékařství KU v Praze, prednosta prof. dr. F. Herles Laborator fyziologie  
a patofyziologie premeny latek, CSAV, Praha. prednosta doc. dr. O. Poupa.  
(RESPIRATORY SYSTEM dis) (ACIDOSIS ther)  
(PULMONARY HEART DISEASE ther) (PULMONARY EMPHYSEMA ther)  
(ANALEPTICS ther)

DAUM, S.; za technicke spoluprace: SRBOVE, J., dr.; KROUZKOVE, L., lab.;  
SOUKUPOVE, J., d.s.; Statisticke zpracovani prom. matemat. KUBENKOVA,  
V., VUCZ; reditel PALEC, R., MUDr.

The heart minute volume in emphysema of the heart. Cas. Lek. Cesk. 101  
no.15:449-455 13 Ap '62.

1. Kardiovaskularni a kardiopulmonalni ordeleti pri II int. klinice  
KU v Praze, prednosta prof. dr. Fr. Herles.

(PULMONARY HEART DISEASE physiol)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DAUM, S.; HERLES, Fr.; JAROSOVA, V.; VALENTKOVA, Vl.; CUREDNIK, A.

Chronic cor pulmonale. Diagnostic contribution of clinical symptoms  
of chronic cor pulmonale and emphysema of the lungs. Cas. Lek. Cesk.  
101 v.c.8:225-234 23 F '62.

1. Kardiologicka laborator a II interni klinika KU v Praze, prednosta  
prof. dr. Fr. Herles II chirurgicka klinika KU v Praze, prednosta prof.  
dr. J. Lhotka.

{PULMONARY HEART DISEASE diag)  
(PULMONARY EMPHYSEMA diag)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

X | 3  
DAUM, S; JANOTA, M; KOPECKÝ, M; OUŽEDNIK, A.

Czechoslovakia

Cardiological Laboratory and the Second Internal  
Medicine Clinic FVL of Charles University -- Prague  
(Kardiologická laboratoř a II. vnitřní klinika FVL  
University Karlovy -- Praha); Head: F. HERLES, Prof.  
Dr. - (for all)

Prague, Vnitřní lékařství, №- IX-2, 1963, pp 105-115

"Blood Gases, pH and Some Respiratory Values in  
Pneumonia."

DAUM, SEVERIN

CZECHOSLOVAKIA

OUREDNIK, Alcis; DAUM, Severin; KROUZKOVA, Lida; DOUBRAVOVA, V.

Second Internal Medicine Clinic of the Faculty of  
General Medicine (II. vnitri klinika fakulty  
vseobecneho lekarstvi KU); Prague. - (for all)

Prague, Vnitri lekarstvi, No 4, 1963, pp 348-355

"Treatment with Acetazolamid in Respiratory Failure  
in Pulmonary Emphysema and Cor Pulmonale."

2

CZECHOSLOVAKIA.

DAUM, S; JANOTA, M.

Cardiological Laboratory of the Second Internal Medicine  
Clinic FVL (Kardiologicka laboratoř pri II. vnitřní  
klinice FVL), Prague. (for both)

Brno, Vnitřní lekárety, No 6, 1963, pp 575-581

"The Role of Oxymetry in the Determination of Some  
Ventilatory and Respiratory Disturbances."

DAUM, Severin; JANOTA, Milos; Technicka spoluprace: KROUZKOVA, Lida

Oximetry in determination of intrapulmonary gas distribution disorders, lung diffusion capacity disorders and increased percent of pulmonary shunts. Acta Univ. Carol. [med.] (Praha) 9 no.4:359-381. '63

I. Vyzkumny ustav experimentalni terapie v Praze-Krci (re-ditel: doc. MUDr. O. Srahel, DrSc) Kardiologicka laborator pri II. interni klinice fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta:prof. dr. F. Herles, DrSc).

DAUM, S.; HERLES, F.

Relation of respiration to pulmonary circulation and heart function in chronic pulmonary heart disease caused by chronic bronchitis and pulmonary emphysema. Acta Univ. Carol. [med.] (Praha) 10: suppl. 17: 43-49. '63.

Pulmonary "capillary" hypertension in pulmonary heart disease due to pulmonary emphysema. Ibid. suppl. 17: 51-62.

1. Kardiologicka laborator fakulty všeobecného lekarství  
University Karlovy v Praze; reditels: prof. dr. F. Herles, DrSc.

JEZEK, V.; DAUM, S.; SERF, B.

Contraction of the right and left ventricles in chronic pulmonary heart disease. Acta Univ. Carol. [med.] (Praha) 10:  
suppl. 17:63-70 '63

1. II. interni klinika fakulty všeobecného lekarství Uni-  
versity Karlovy v Praze (prednosta: prof. dr. F. Herles, DrSc.).

NEUWIRTOVA, R.; OUREDNIK, A.; DAUM, S.

Clinical picture of respiratory insufficiency in chronic pulmonary heart disease. Acta Univ. Carol. [med.] (Praha) 10:  
suppl. 17:87-93 '63

1. II interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze; prednosta: prof. dr. F. Herles, DrSc.

VEZEK, V.; DAUM, S.

Contribution to the occurrence of pulsus alternans. Sborn.lek.  
65 no.12:365-372 D '63.

1. Kardiologicka laborator II. interni kliniky fakulty vseobec-  
neho lekarstvi University Karlovy v Praze, prednosta prof. dr.  
F. Herles, DrSc.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

JEZEK,V.; DAUM,S.; SERF,B. Technical assistance: KROUZKOVA,L.

Heart contraction in chronic cor pulmonale. Cor.vasa 6 no.2:  
85-98 \*64

1. Cardiological Laboratory, Second Medical Clinic, Faculty  
of General Medicine, Charles University, Prague.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

CUREDNIK,A.; DAUM,S. Technicka spoluprace: KROUZKOVA,L.; DOUBRAVOVA, V.

Effect of analeptics in respiratory insufficiency. Cas.lek.  
cesk. 103 no.3:77-78 17 Ja'64.

1. II. interni klinika fakulty vseobecneho lekarstvi KU v  
Praze; prednosta: prof.dr. F.Herles, DrSc.

CUREDNIK,A.; NEUWIRTOVA,R.; DAUM.S.

Clinical picture of respiratory insufficiency in patients with  
chronic bronchitis. Cas.lek.cesk. 103 no.7:169-174 14 F'64.

1. II.interni klinika fakulty vseobecneho lekarstvi KU v Praze;  
prednosta: prof.dr.F.Herles.

\*

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

OUREDNIK,A.; DAUM,S.; JEZEK,V. Technicka spoluprace: KROUZKOVA, L.

Medical treatment of respiratory insufficiency. Cas.lek. cesk.  
103 no.9:244-245 28 F'64

1. II. interni klinika fakulty vseobecneho lekarstvi KU v  
Praze; prednosta: prof.dr.F.Herles, DrSc.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

DAUM, S.; MIKOLAYNA, L.; STIKS, J.; VOKAC, Z.; VAVACKA, V.; RUDINSKUVA, Z.

Diffusion capacity of the lung and its components in interstitial pulmonary fibrosis in childhood. Cas. lek. cesk. 103 no.42:1171  
O 16 '64.

1. Vyzkumný ústav experimentální terapie v Praze (ředitel prof. dr. O. Šmidel, DrSc.), a Celkový výzkum vývoje čilita v Praze (ředitel prof. dr. J. Houšek, DrSc.).

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DAUM, S.; JEZEK, V.

"Cannon" waves in the picture of the pressure curve from the right heart. Cas. lck. cesk. 103 no. 49:1359-1363 4 D '64

1. Vyzkumny ustav experimentalni terapie v Praze (reditel prof. dr. O. Smahel) a Kardiologicka laborator fakulty vseobecneho lekarstvi Karlovy University v Praze (reditel prof. dr. F. Herles).

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

DAUM, S.

Determination of the pulmonary diffusion capacity and its components in older children. Cesk. pediat. 20 no. 3:261-264  
Mr '65

-Diffusing capacity of the lungs at the lung fibrosis of  
bigger children. Ibid. 272-374

1. Research Institute of Experimental Therapy, Praha-Krc.

TLUSTY, L.; HLOUSKOVA, Z.; KOHN, R.; DAUM, S.; STIKSA, J.

The diffusion capacity of the lungs and its share in children  
and juveniles after interstitial pneumonias. Cesk. pediat.  
20 no.3:392-395 Mr '65

1. I. ~~Kinder~~ Klinik in Hradec Kralove; Kinderklinik Po Petrinem,  
Prag; Katheder der Kinderheilkunde, Institut für ärztliche Fort-  
bildung, Prag; und Institut der experimentellen Therapie, Prag.

DAUM, S.

Pathophysiology of respiratory insufficiency and its effect  
on pulmonary circulation. Cas. lek. cesk. 104- no. 3: 57-64  
22 Ja '65

1. Vyzkumny ustav experimentalni terapie v Praze-Krči  
(reditel - prof. ... Smahel).

JANOTA, M.; DAUM, S.

Oximetry in interstitial pulmonary fibrosis. Cas. lek. cesk. 104  
no. 8; 208-211 26 F'65.

I. II. Interni klinika fakulty všeobecného lekarství Karlovy  
University v Praze (prednostař prof. dr. F. Herles, DrSc.)  
a Výzkumný ustav experimentální terapie v Praze-Krci (reditel:  
prof. dr. O. Smahel, DrSc.).

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

HOUSTEK, J.; DAUM, S.; HLOUSKOVA, Z.; NIKODYMOVÁ, L.; STIKSA, J.; VAVROVÁ, V.;  
VOKAC, Z.

Functional changes in diffuse pulmonary fibrosis. Česk. pediat.  
20 no. 3:366-371 Mr '65

1. Second Children's Clinic; Research Institute of Child Development,  
and Research Institute of Experimental Therapy, Prague.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"

DAUM, S.; NIKODIMOVÁ, L.; SIIKSA, J.; VOKAC, Z.; VAVROVÁ, V.; HLOUSKOVÁ, Z.  
Technical assistance: MACHANOVA, A.; FLACHA, B.; URBANOVA, A.

Diffusing capacity of the lungs and its components in interstitial  
pulmonary fibroses during adolescence. Rev. Czech. med. 11 no.3:  
180-189 '65.

1. Institute of Postgraduate Medical Training. Chair of Internal  
Medicine, Prague (Director: Prof. O. Smahel, M.D., D.Sc.), Research  
Institute of Experimental Therapy (Director: Prof. O. Smahel, M.D.,  
D.Sc.), and Research Institute of Child Development, Prague (Director:  
Prof. J. Houštek, M.D., D.Sc.).

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8

DAUM, S., Praha-Krc, Budejovicka 800

Discussions on the physiopathology of respiration. Cas. lek. Cesk.  
104 no.41:1133-1136 15 0 '65.

1. Vyzkumny ustav experimentalni terapie v Praze (reditel prof.  
dr. O. Smahel, DrSc.).

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509730009-8"